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Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 62620/PJP	Serial No. 10/081,838
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Tania C. Sorrell et al.	
		Filing Date February 21, 2002	Group

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

## FOREIGN PATENT DOCUMENTS

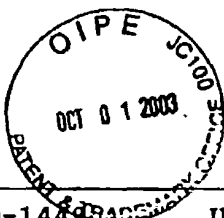
	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

LAC	1	Bax, A., and D. Davis. (1986). MLEV-17-based two dimensional homonuclear magnetization transfer spectroscopy. J. Magn. Reson. 65:355-360; Exhibit 2
	3	Braun, S., H.-O. Kalinowski, and S. Berger (1998). 150 and More Basic NMR Experiments. Wiley-VCH, New York; Exhibit 3
	4	Cohen, J. (Oct., 1968). Weighted Kappa: Nominal scale agreement with provision for scaled disagreement or partial credit. Psychol Bull. Vol 70, No. 4 pp 213-218; Exhibit 4
	5	Delpassand, E.S., M. V. Chari, C. E. Stager, J.D. Morrisett, J.J. Ford, and M. Romazi. Rapid identification of common human pathogens by high-resolution proton magnetic resonance spectroscopy. J. Clin. Microbiol. 33(5):1258-62 (May, 1995) ; Exhibit 5
LAC	6	Gadian, D. G. (1995). NMR and its Applications to Living Systems. Oxford University Press, Oxford; Exhibit 6

EXAMINER <i>Lou A. Clow</i>	DATE CONSIDERED <i>September 23, 2004</i>
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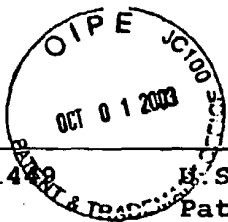
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LAC	7	Goodacre, R., J. K. Heald, and D. B. Kell. (1999). Characterisation of intact microorganisms using electrospray ionisation mass spectrometry. FEMS Microbiol. Lett. 176(1):17-24; Exhibit 7		
	8	Goodacre, R., E. M. Timmins, P.J. Rooney, J.J. Rowland, and D.B. Kell. (1996). Rapid Identification of Streptococcus and Enterococcus Species Using Diffuse Reflectance-Absorbance Fourier Transform Infrared Spectroscopy and Artificial Neural Networks. FEMS Microbiol. Lett. 140(2-3):233-239; Exhibit 8		
	9	Hahn, P., I. C. Smith, L. Leboldus, C. Littman, R.L. Somorjai, and T. Bezabeth. (1997). The classification of benign and malignant human prostate tissue by multivariate analysis of <sup>1</sup> H magnetic resonance spectra. Cancer Res. 57(16):3398-401; Exhibit 9		
	10	Hardie, J. M., and R. A. Whiley. (1997). Classification and Overview of the Genera Streptococcus and Enterococcus. J. Appl. Microbiol. 83(Suppl S):S 1-S 11; Exhibit 10		
	11	Kummerle, M., S. Scherer, and H. Seiler. (1998). Rapid and Reliable Identification of Food Borne Yeasts By Fourier-Transform Infrared Spectroscopy. Appl. Environ. Microbiol. 64(6):2207-2214; Exhibit 11		
	13	Mounford, C., R. Somorjai, L. Gluch, P. Malycha, C. Lean, P. Russell, M. Bilous, B. Barraclough, David Gillett, U. Himmelreich, B. Dolenko, A. Nikulin, and I. Smith. (2001). MRS on breast fine needle aspirate biopsy determines pathology, vascularization and nodal involvement. Br. J. Surg. 88, 1234-1240; Exhibit 12		
	14	Naumann, D., V. Fijala, H. Labischinski, and G. Giebrecht. (1998). The rapid differentiation and identification of pathogenic bacteria using Fourier transform infrared spectroscopy. Journal of Molecular Structure. 174:165-170; Exhibit 13		
	17	Russell, P., C. Lean, L. Delbridge, G. May, S. Dowd, and C. Mountford, (1994). Proton magnetic resonance and human thyroid neoplasia. I: Discrimination between benign and malignant neoplasms. Am. J. Med. 96:383-388; Exhibit 14		
↓ LAC	18	Russell, P., C. Lean, L. Delbridge, G. May, S. Dowd, and C. Mountford, (1994). Proton magnetic resonance and human thyroid neoplasia. I: Discrimination between benign and malignant neoplasms. Am. J. Med. 96:383-388; Exhibit 15		
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LAC	19	Somorjai, R., B. Dolenko, A. Nikulin, P. Nickerson, D. Rush, A. Shaw, M. Glogowski, J. Rendell, and R. Deslauriers. (2000). Distinguishing Normal from Rejecting Renal Allografts: Application of a Three-Stage Classification Strategy to MR and IR of Urine. Vibrational Spectroscopy 28(1), 97-102 (2002); Exhibit 16			
	20	Somorjai, R. L., B. Dolenko, A. K. Nikulin, N. Pizzi, G. Scarth, P. Zhilkin, W. Halliday, D. Fewer, N. Hill, I. Ross, M. West, I. C. P. Smith, S. M. Donnelly, A.C. Kuesel, and K.M. Briere. (1996). Classification of <sup>1</sup> H MR spectra of human brain neoplasms: the influence of preprocessing and computerized consensus diagnosis on classification accuracy. J. Magn. Reson. Imaging. 6(3):437-44; Exhibit 17			
	21	Somorjai, R. L., A. E. Nikulin, N. Pizzi, D. Jackson, G. Scarth, B. Dolenko, H. Gordon, P. Russell, C.L. Lean, L. Delbridge, (1995). Computerized consensus diagnosis: a classification strategy for the robust analysis of MR spectra. I. Application to <sup>1</sup> H spectra of thyroid neoplasms. Magn. Reson. Med. 33(2):257-63; Exhibit 18			
	22	Stager, C. E., and J. R. Davis. (1992). Automated systems for identification of microorganisms. Clin. Microbiol. Rev. 5(3):302-27; Exhibit 19			
	23	Wallace, J. C., G. P. Raaphorst, R. L. Somorjai, C. E. Ng, M. Fung Kee Fung, M. Senterman, and I. C. P. Smith. (1997). Classification of <sup>1</sup> H MR spectra of biopsies from untreated and recurrent ovarian cancer using linear discriminant analysis. Magn Reson. Med. 38(4):569-76; Exhibit 20			
	24	Willker, W., D. Leibfritz, R. Kerssebaum, and W. Bermel. (1993). Gradient selection in inverse heteronuclear correlation spectroscopy. Magn. Reson. Chem. 31:287-292; Exhibit 21			
	25	Mitchell TG, Perfect JR. Cryptococcosis in the era of AIDS-100 years after the discovery of Cryptococcus neoformans. Clin Micro Rev (1995); 8:515-548; Exhibit 22			
LAC	26	Speed B, Dunt D. Clinical and host differences between infections with the two varieties of Cryptococcus neoformans. Clin Infect Dis (1995); 21:28-34; Exhibit 23			
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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

LAC	27	Mitchell DH, Sorrell TC, Allworth AM, Health CH, McGregor AR, Papanoum K, Richards MJ, Gottlieb T. Cryptococcal disease of the CNS in immunocompetent hosts: influence of cryptococcal variety on clinical manifestations and outcome. Clin. Infect. Dis (1995); 20:611-616; Exhibit 24
LAC	28	Chen SCA., Sorrell TC, Nimmo G, Speed B, Currie B, Ellis D, Marriott D, Pfeiffer T, Parr D, Byth K. Epidemiology, and host and variety-dependent characteristics of infection due to Cryptococcus neoformans, in Australia and New Zealand. Clin. Infect. Dis. (2000); 31:499-508; Exhibit 25
	29	Fujita NK, Reynard M, Sapico FL, Guze LB, Edwards JE Jr. Cryptococcal intracerebral mass lesions: the role of computed tomography and nonsurgical management. Ann Intern Med (1981); 94:382-388; Exhibit 26
LAC	31	Negendank W. Studies of human tumors by MRS: a review. NMR Biomed (1992); 5:303-324; Exhibit 27
LAC	32	Remy C, Grand S, Lai ES, Belle V, Hoffmann D, Berger F, Ziegler A, Le Bas JF, Benabid AL, et al. 1H MRS of human brain abscesses in vivo and in vitro. Magn Reson Med (1995); 34:508-514; Exhibit 28
LAC	33	Hagberg G. From magnetic resonance spectroscopy to classification of tumor-a review of pattern recognition methods. NMR Biomed (1998); 11:148-156; Exhibit 29
LAC	34	Dev R, Gupta RK, Poptani H, Roy R, Sharma S, Hasain M. Role of in vivo proton magnetic resonance spectroscopy in the diagnosis and management of brain abscesses. Neurosurgery (1998); 2:37-42; Exhibit 30
LAC	35	Kim SH, Chang KH, Song IC, Han MH, Kim, HC, Kang, HS, Han MC. Brain abscess and brain tumor-discrimination with in vivo 1H MR spectroscopy. Radiology (1997); 204:239-245; Exhibit 31
LAC	36	Grand Spassaro G, Ziegler A, Esteve F, Boujet C, Hoffman D, Rubin C, Segebarty C, Decorps M, LeBas J-F, Remy C. Necrotic tumor versus brain abscess: importance to amino acids detected at 1H MR spectroscopy-initial results. Radiology (1999); 213:785-793; Exhibit 32
LAC	37	Danielsen ER, Ross BD. Magnetic Resonance Spectroscopy Diagnosis of Neurological Diseases. New York: Marcel Dekker Inc., pp 27-43, (1998); Exhibit 33

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- 38 Saunders DE, Howe FA, van der Boogaart A, McLean MA, Griffiths JR, Brown MM. Continuing ischemic damage after acute middle cerebral artery infarction in humans demonstrated by short-echo proton spectroscopy. Stroke (1995); 26, 1007-1013; (Exhibit 34)
- 39 Remy C, Arus C, Ziegler A, Lai ES, Moreno A, Le Fur Y, Decors M. In vivo, ex vivo, and in vitro one-and two dimensional nuclear magnetic resonance spectroscopy of an intracerebral glioma in rat brain: assignment of resonances. J. Neurochem. (1994); 62:166-179; Exhibit 35
- 40 Delikatny EJ, Russell P, Hunter JC, Hancock R, Atkinson KH, Van Haaften-Day C, Mountford CE. Proton MR and human cervical neoplasia: ex vivo spectroscopy allows distinction of invasive carcinoma of the cervix from carcinoma in situ and other preinvasive lesions. Radiology (1993); 188:791-796; Exhibit 36
- 41 Makinon WB, Barry PA, Malycha PL, Gillett DJ, Russell P, Lean CL, Doran ST, Barraclough BH, Bilous M, Mountford CE. Fine-needle biopsy specimens of benign breast lesions distinguished from invasive cancer ex vivo with proton MR spectroscopy. Radiology (1997); 204:661-666; Exhibit 37
- 42 Casadevall A, Perfect JE. In Cryptococcus neoformans. Washington DC, American Society for Microbiology Press, Chapter 4, pp 71-18 (1998); Exhibit 38
- 43 Cherniak R, Sundstrom JB. Polysaccharide antigens of the capsule of Cryptococcus neoformans. Infect. Immun (1994); 62:1507-1512; Exhibit 39
- 44 Bubb WA, Wright LC, Cagney M, Santangelo RT, Sorrell TC, Kuchel PW. Heteronuclear NMR studies of metabolites produced by Cryptococcus neoformans in culture media: Identification of possible virulence factors. Magn Reson Med (1999); 42:442-453; Exhibit 40
- 49 Lean CL, Mackinnon WB, Mountford CE. Fucose in 1H COSY spectra of plasma membrane fragments shed from human malignant colorectal cells. Magn Reson Med (1991); 20:306-311; Exhibit 41
- 50 Palmer III AG, Cavanagh J, Wright PE, Rance M. Sensitivity improvement in proton-detected two-dimensional heteronuclear correlation NMR spectroscopy. J Magn Reson (1991); 93:151-170; Exhibit 42

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LAC	51	Lean CL, Mackinnon WB, Delikatny EJ, Whitehead RH, Mountford CE. Cell-surface fucosylation and magnetic resonance spectroscopy characterization of human malignant colorectal cells. Biochemistry (1992); 31:11095-11105; Exhibit 43
	52	Kalinowski HO, Berger S, Braun S. <sup>13</sup> C-NMR-Spektroskopie. Stuttgart: Georg Thieme Verlag pp 206-402 (1984); Exhibit 44
	53	Barton JK, Den Hollander JA, Hopfield JJ, Shulman RG. <sup>13</sup> C nuclear magnetic resonance study of trehalose mobilization in yeast spores. J. Bacteriol (1982); 151:177-185; Exhibit 45
	54	Wiemken A. Trehalose in yeast, stress protectant rather than reserve carbohydrate. Antonie Leeuwenhoek (1990); 58:209-217; Exhibit 46
	57	De Virgillo C, Hottiger T, Dominguez J, Boller T, Wiemken A. The role of trehalose synthesis for the acquisition of thermotolerance in yeast. I. Genetic evidence that trehalose is a thermoprotectant. Eur J Biochem (1994); 219:179-186; Exhibit 47
LAC	59	Ross BD, Merkle H, Hendrich K, Staewen R S, Garwood M. Spatially localized in vivo <sup>1</sup> H magnetic resonance spectroscopy of an intracerebral rat glioma. Magn Reson Med (1992); 23:96-108; Exhibit 48
	60	<del>Thevelein JM. Regulation of trehalose metabolism and its relevance to cell growth and function. 395-420. In Brambl R, Marzluf, GA, eds. The Mycota. Vol 3. Berlin: Springer Verlag Chapter 19, pp 395-420 (1996); Exhibit 49</del>
LAC	61	Hengge-Aronis R, Klein W, Lange R, Rimmele M, Boos W. Trehalose synthesis genes are controlled by the putative sigma factor encoded by rpoS and are involved in stationary-phase thermotolerance in Escherichia coli. J. Bacteriol (1991); 173:7918-7924; Exhibit 50

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